

APPENDIX B: CRTS LIGHT CURVES

CRTS light curves of LoBAL QSOs in the sample.

APPENDIX C: SPECTRAL COMPARISON

Comparison of spectra for different sources in the sample.

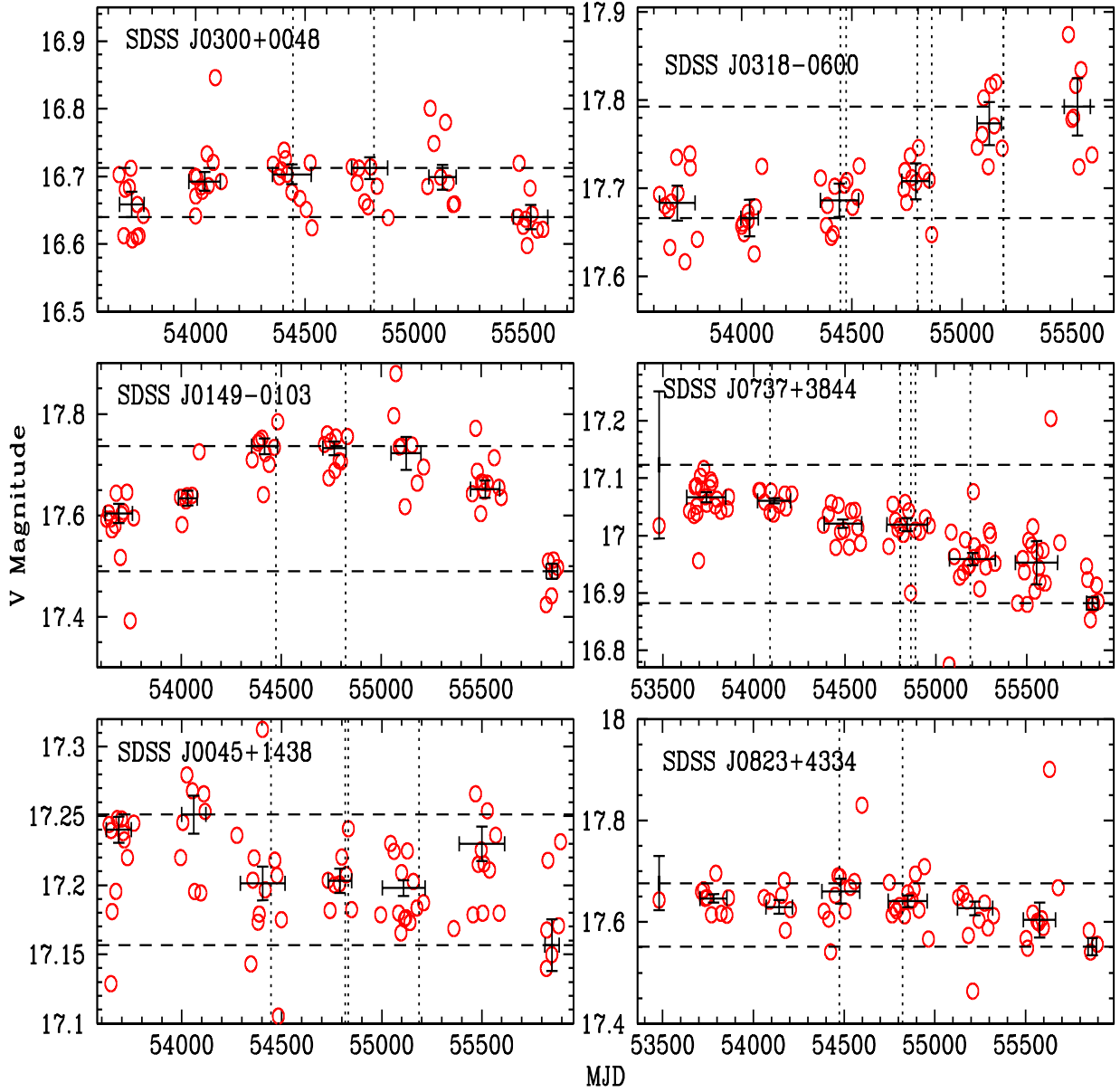


Figure B1. CRTS light curves of LoBAL QSOs in the sample. The dotted vertical lines mark the epochs (MJDs) of spectroscopic observations. The average magnitudes obtained for closely spaced observations are overplotted as points with error bars for all sources. The x-axis error bars correspond to the time range over which the magnitudes are averaged.

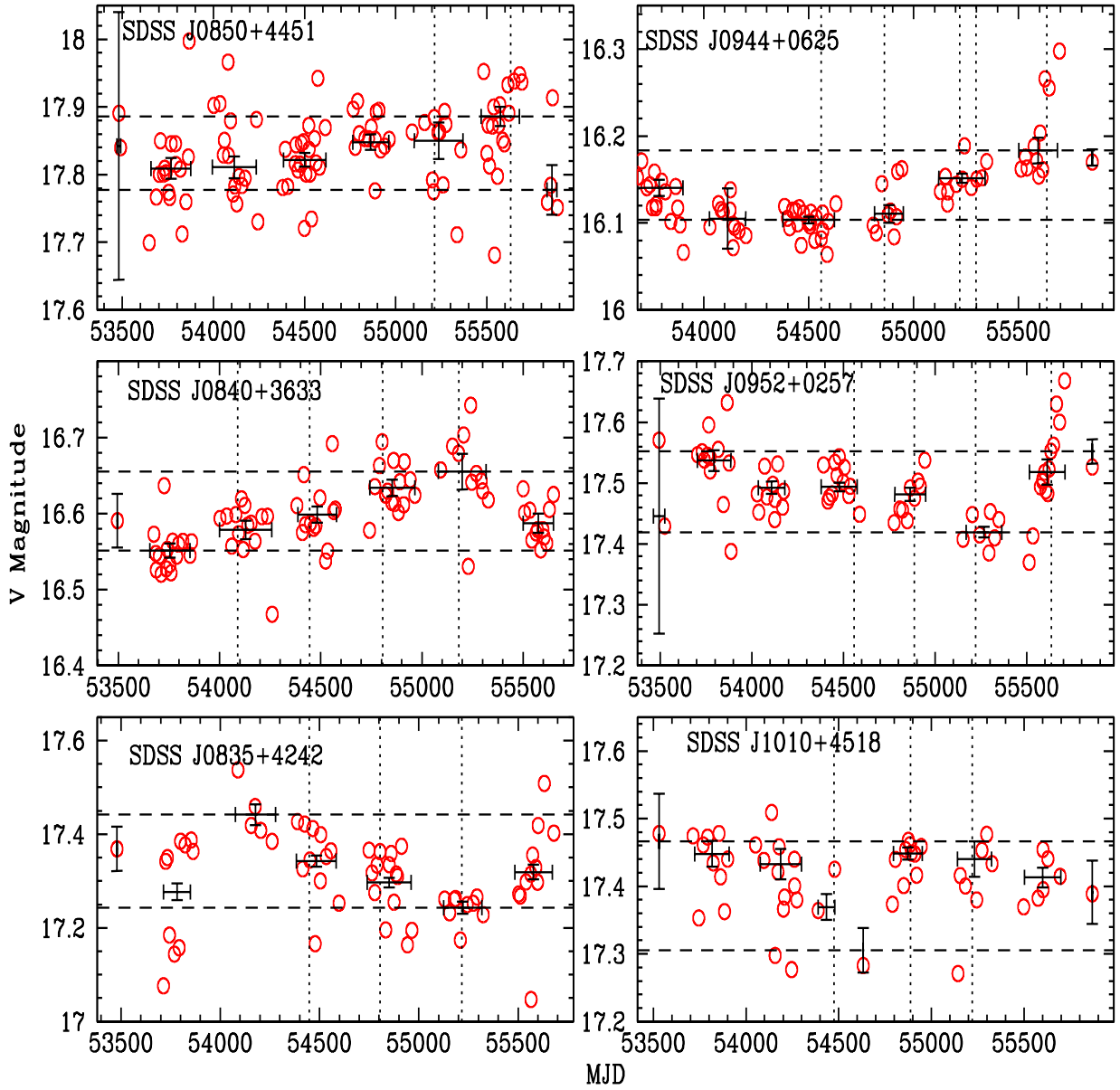


Figure B2. CRTS light curves of LoBAL QSOs in the sample. The dotted vertical lines mark the epochs (MJDs) of spectroscopic observations. The average magnitudes obtained for closely spaced observations are overplotted as points with error bars for all sources. The x-axis error bars correspond to the time range over which the magnitudes are averaged.

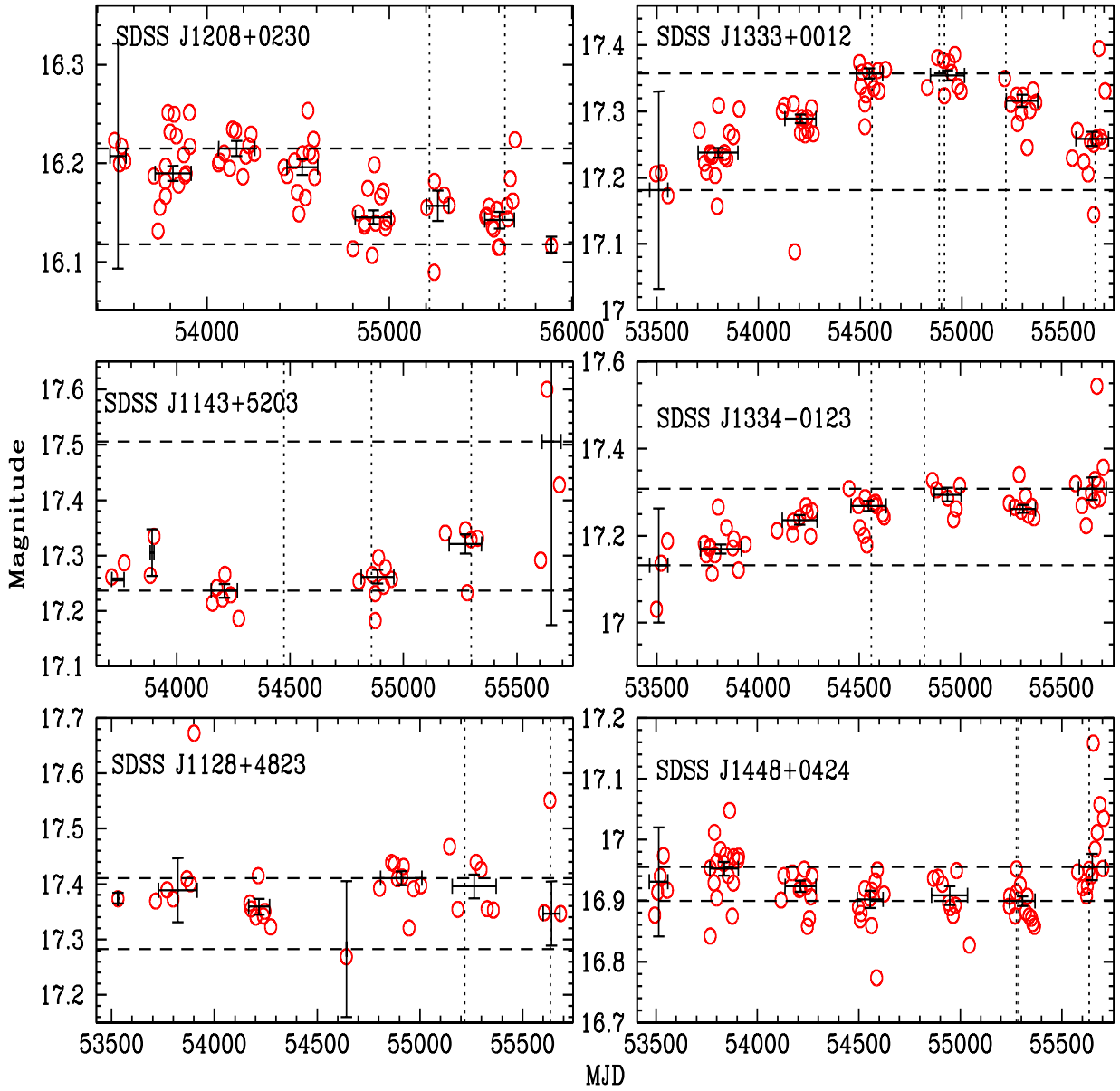


Figure B3. CRTS light curves of LoBAL QSOs in the sample. The dotted vertical lines mark the epochs (MJDs) of spectroscopic observations. The average magnitudes obtained for closely spaced observations are overplotted as points with error bars for all sources. The x-axis error bars correspond to the time range over which the magnitudes are averaged.

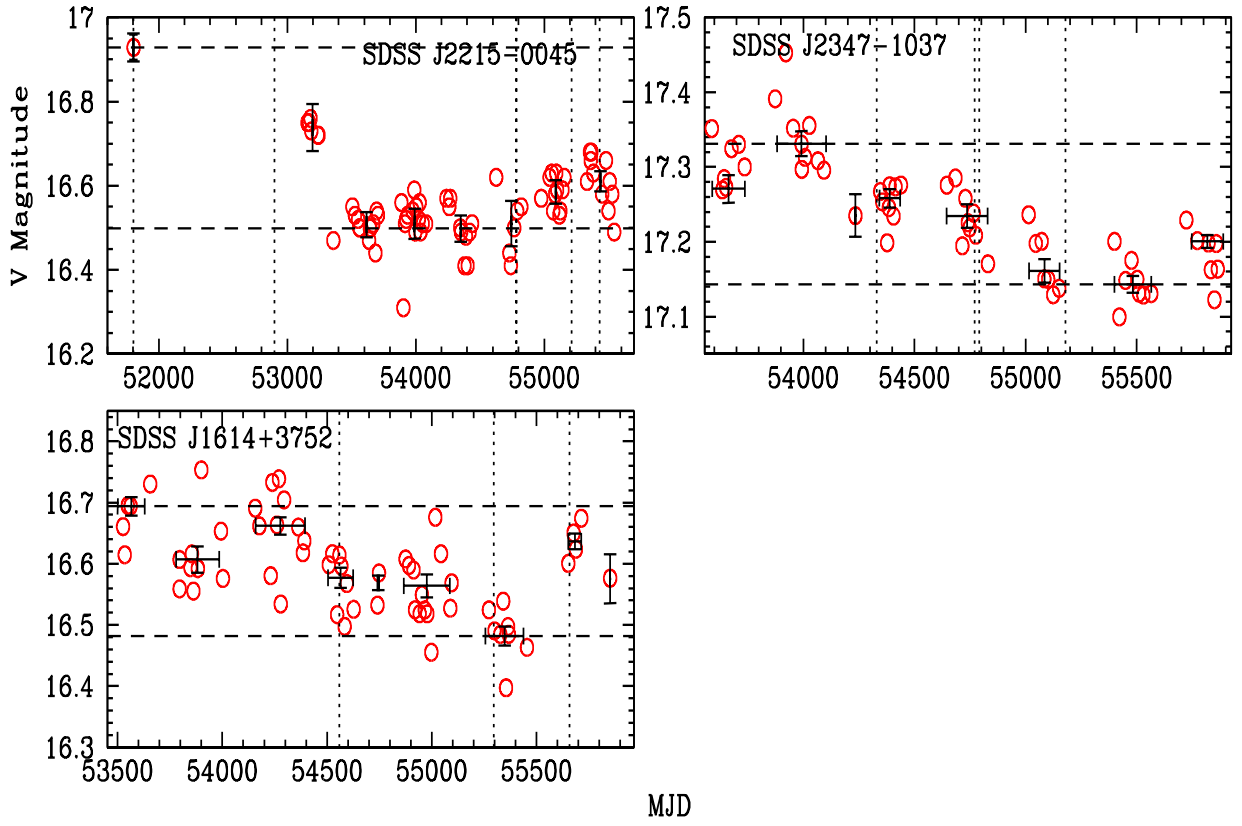


Figure B4. CRTS light curves of LoBAL QSOs in the sample. The dotted vertical lines mark the epochs (MJDs) of spectroscopic observations. The average magnitudes obtained for closely spaced observations are overplotted as points with error bars for all sources. The x-axis error bars correspond to the time range over which the magnitudes are averaged.

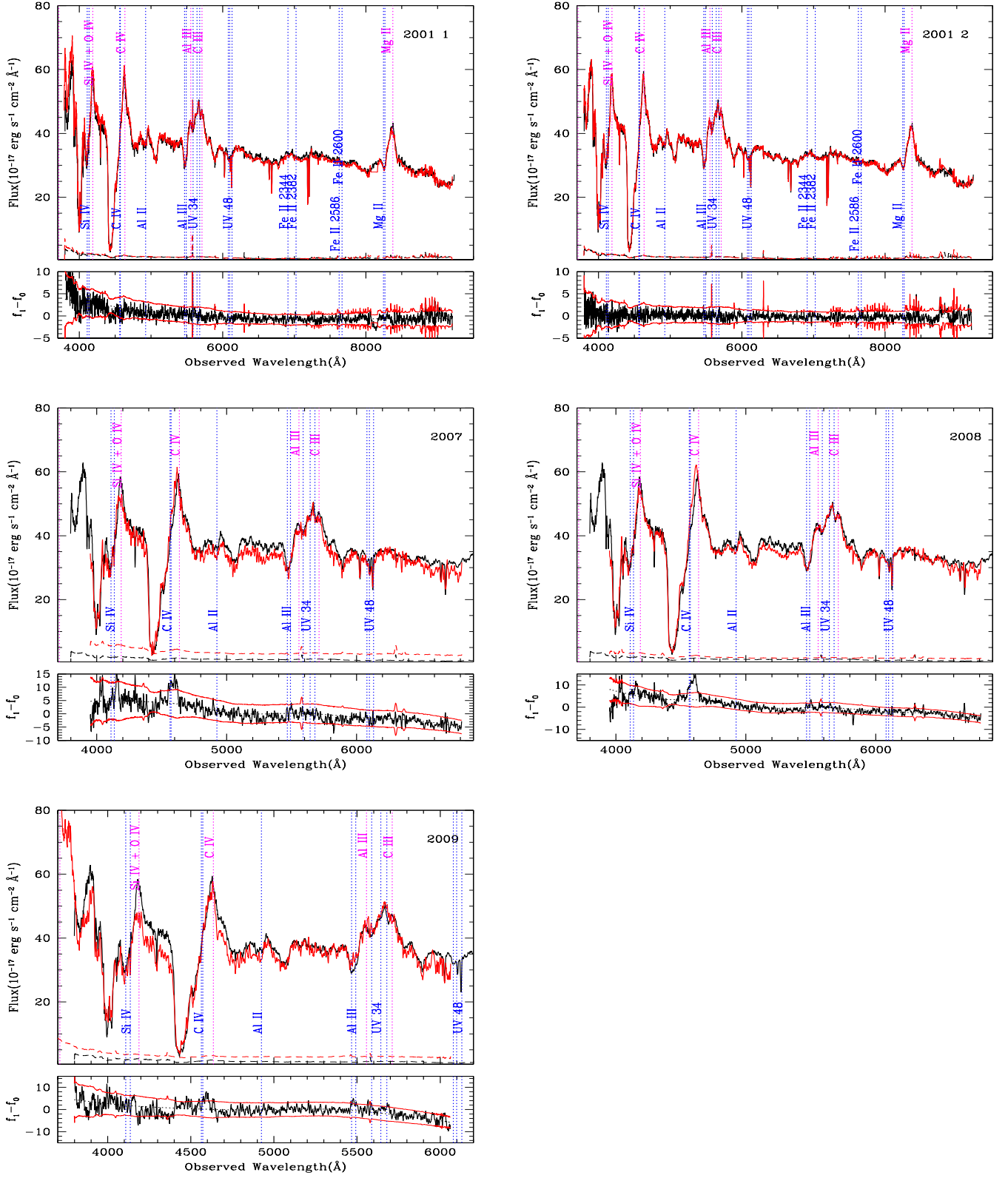


Figure C1. IGO Spectra of SDSS J0045+1438 observed on MJD 54447, 54818 and 55187 and SDSS spectra obtained on 51868 and 51879 (in red/grey) are overplotted with the reference SDSS spectrum (black) observed on MJD 51812. The comparison of two IGO spectra are shown in the lower panel. The flux scale applies to the reference SDSS spectrum and all other spectra are scaled in flux to match the reference spectrum. In each plot, the error spectra are also shown. The difference spectrum for the corresponding MJDs is plotted in the lower panel of each plot. 1σ error is plotted above and below the mean.

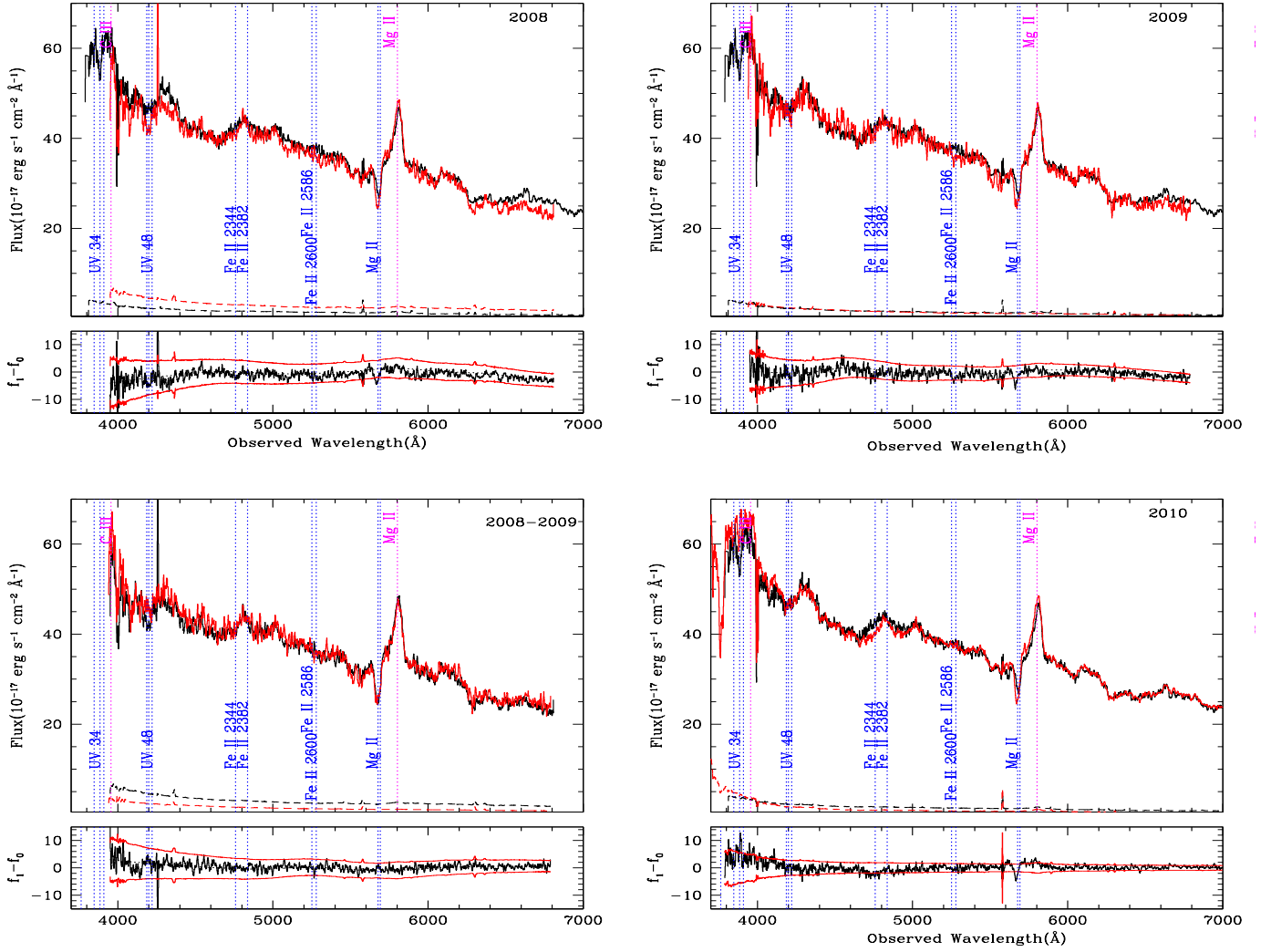


Figure C2. IGO Spectra of SDSS J0149–0103 observed on MJD 54474 and 54823 (in red/grey) are overplotted with the reference SDSS spectrum (black) observed on MJD 51793. The comparison of two IGO spectra are shown in the lower panel. The flux scale applies to the reference SDSS spectrum and all other spectra are scaled in flux to match the reference spectrum. In each plot, the error spectra are also shown. The difference spectrum for the corresponding MJDs is plotted in the lower panel of each plot. 1σ error is plotted above and below the mean.

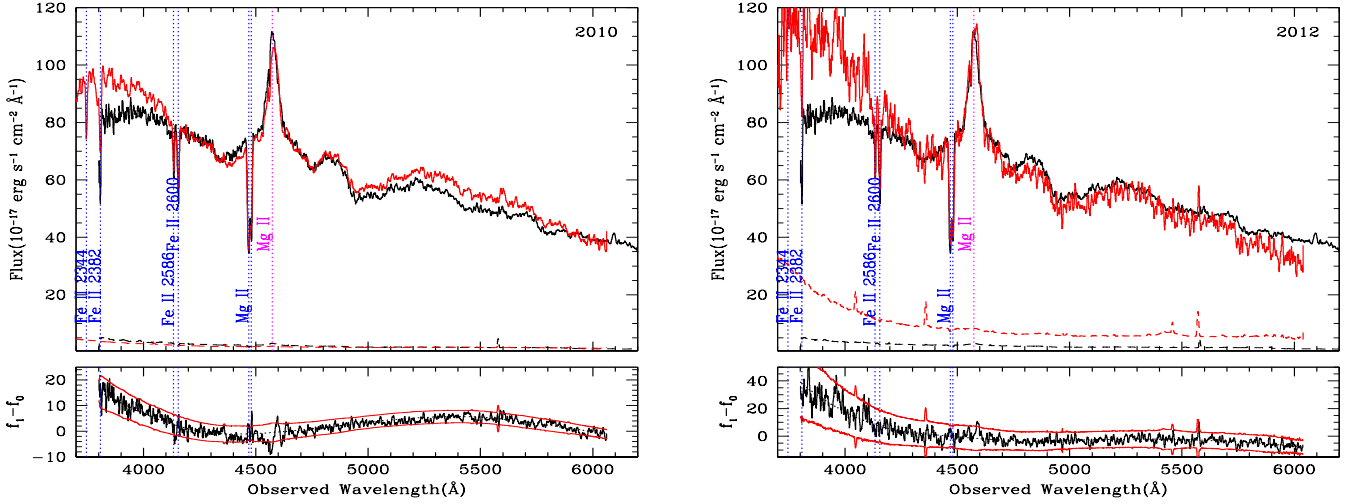


Figure C3. IGO Spectra of SDSS J0334–0711 observed on MJD 55216 and 55950 (in red/grey) are overplotted with the reference SDSS spectrum (black) observed on MJD 51910. The flux scale applies to the reference SDSS spectrum and all other spectra are scaled in flux to match the reference spectrum. In each plot, the error spectra are also shown. The difference spectrum for the corresponding MJDs is plotted in the lower panel of each plot. 1σ error is plotted above and below the mean.

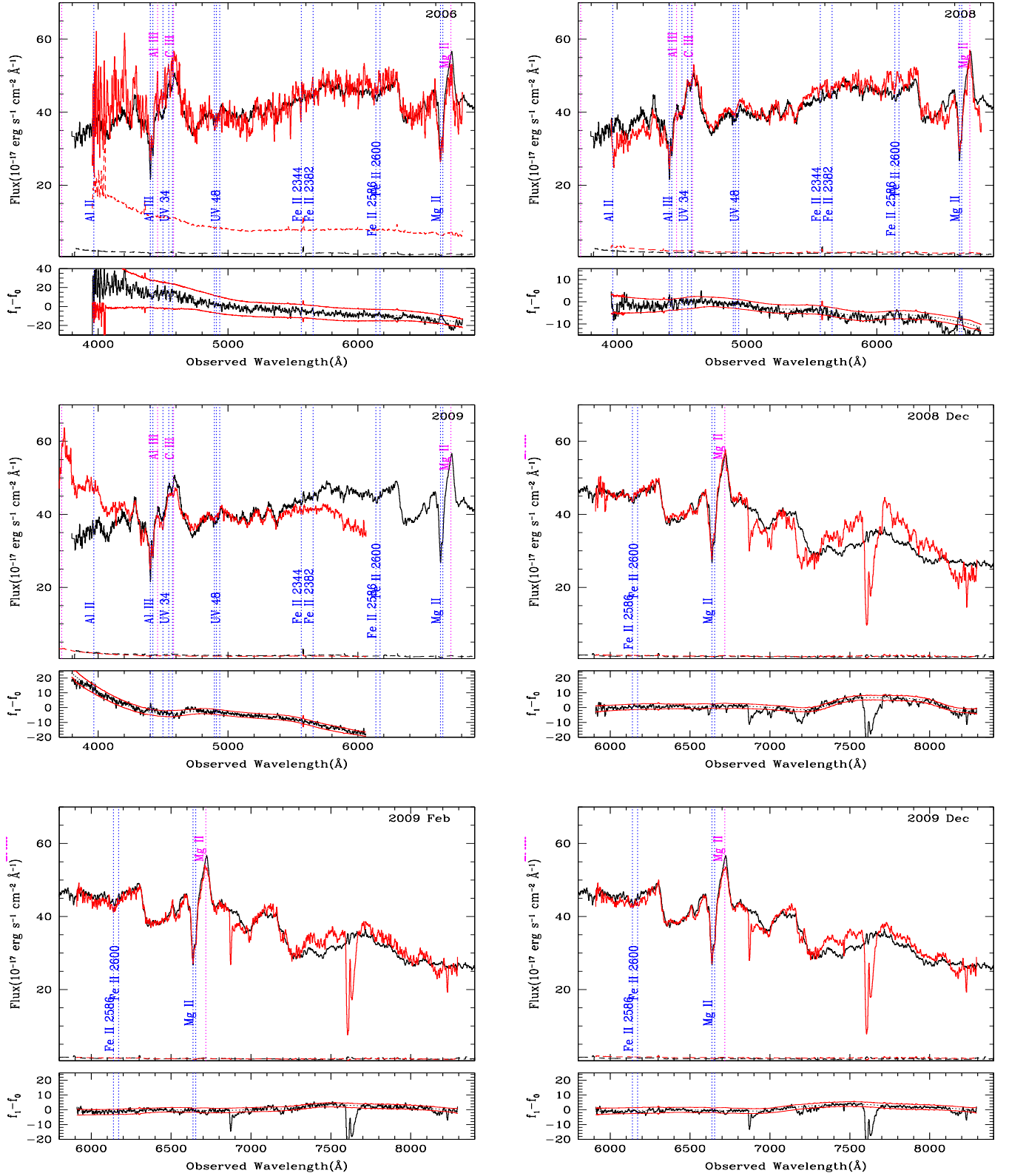


Figure C4. IGO Spectra of SDSS J0737+3844 observed on MJD 54090, 54804, 55189, 54805, 54862 and 54887 (in red/grey) are overplotted with the reference SDSS spectrum (black) observed on MJD 51877. The comparison of two IGO spectra are shown in the lower panel. The flux scale applies to the reference SDSS spectrum and all other spectra are scaled in flux to match the reference spectrum. In each plot, the error spectra are also shown. The difference spectrum for the corresponding MJDs is plotted in the lower panel of each plot. 1σ error is plotted above and below the mean.

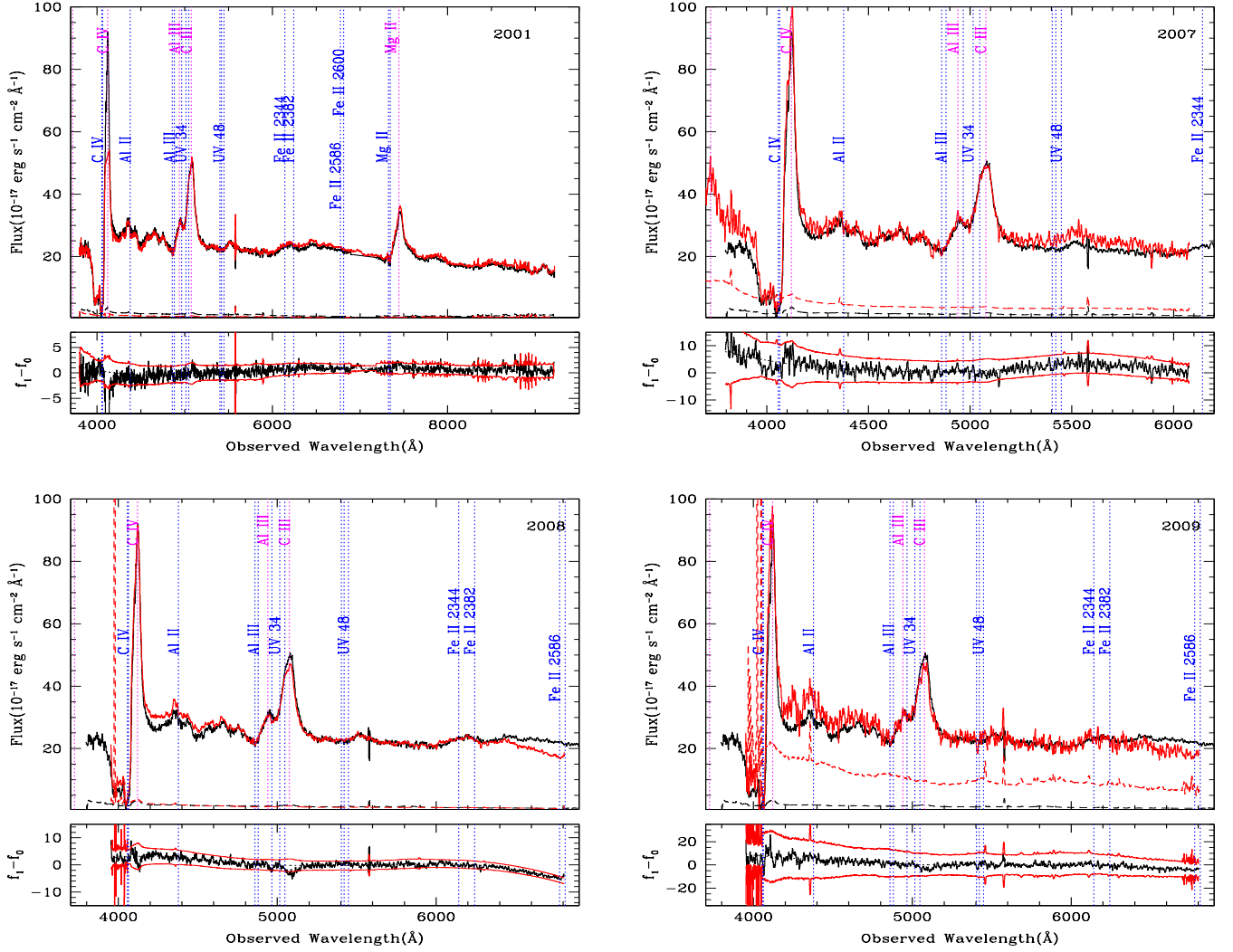


Figure C5. IGO Spectra of SDSS J0823+4334 observed on MJD 51959, 54447, 54806 and 554575 (in red/grey) are overplotted with the reference SDSS spectrum (black) observed on MJD 52207. The comparison of two IGO spectra are shown in the lower panel. The flux scale applies to the reference SDSS spectrum and all other spectra are scaled in flux to match the reference spectrum. In each plot, the error spectra are also shown. The difference spectrum for the corresponding MJDs is plotted in the lower panel of each plot. 1σ error is plotted above and below the mean.

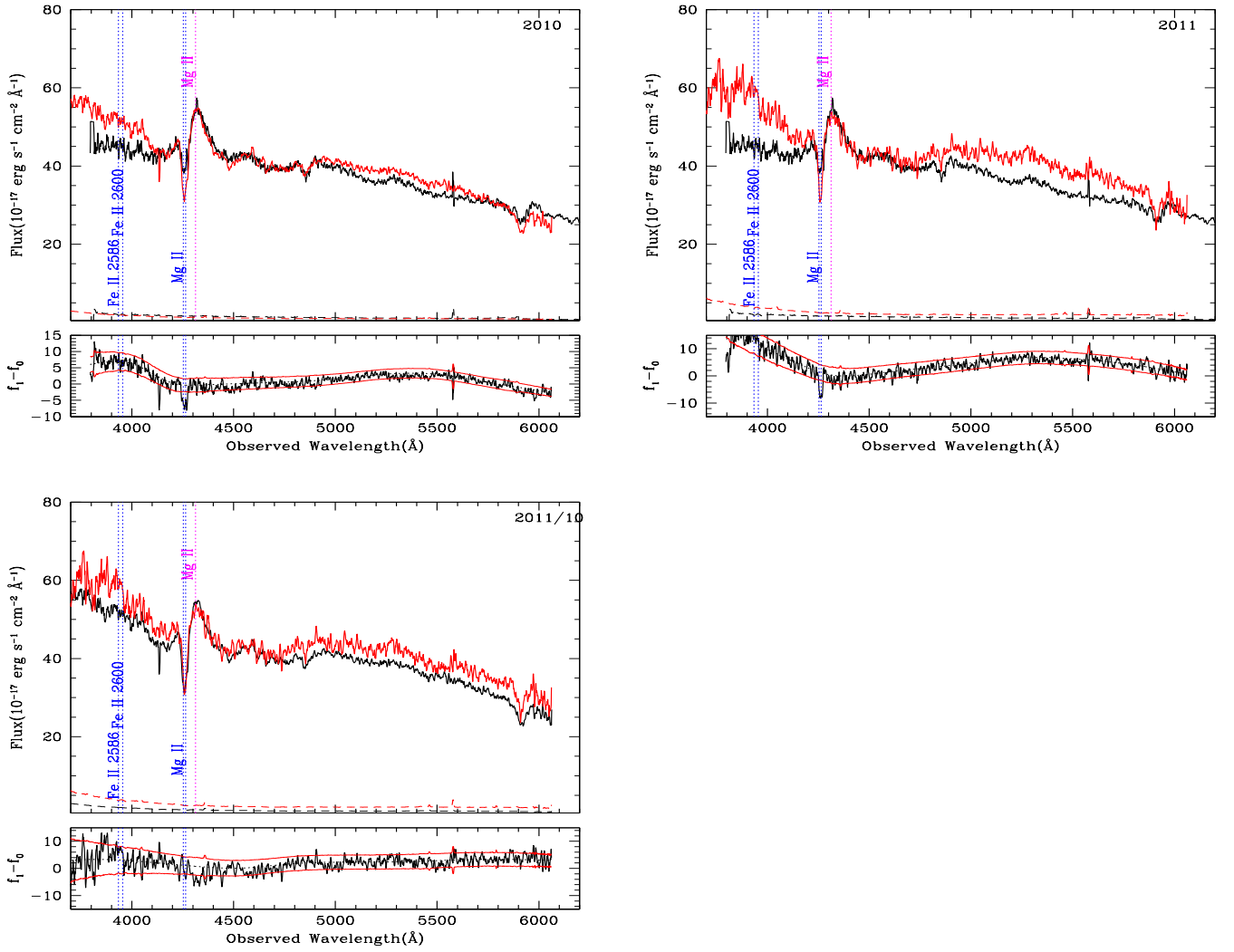


Figure C6. IGO Spectra of SDSS J0850+4451 observed on MJD 55215 and 55632 (in red/grey) are overplotted with the reference SDSS spectrum (black) observed on MJD 52605. The comparison of two IGO spectra are shown in the lower panel. The flux scale applies to the reference SDSS spectrum and all other spectra are scaled in flux to match the reference spectrum. In each plot, the error spectra are also shown. The difference spectrum for the corresponding MJDs is plotted in the lower panel of each plot. 1σ error is plotted above and below the mean.

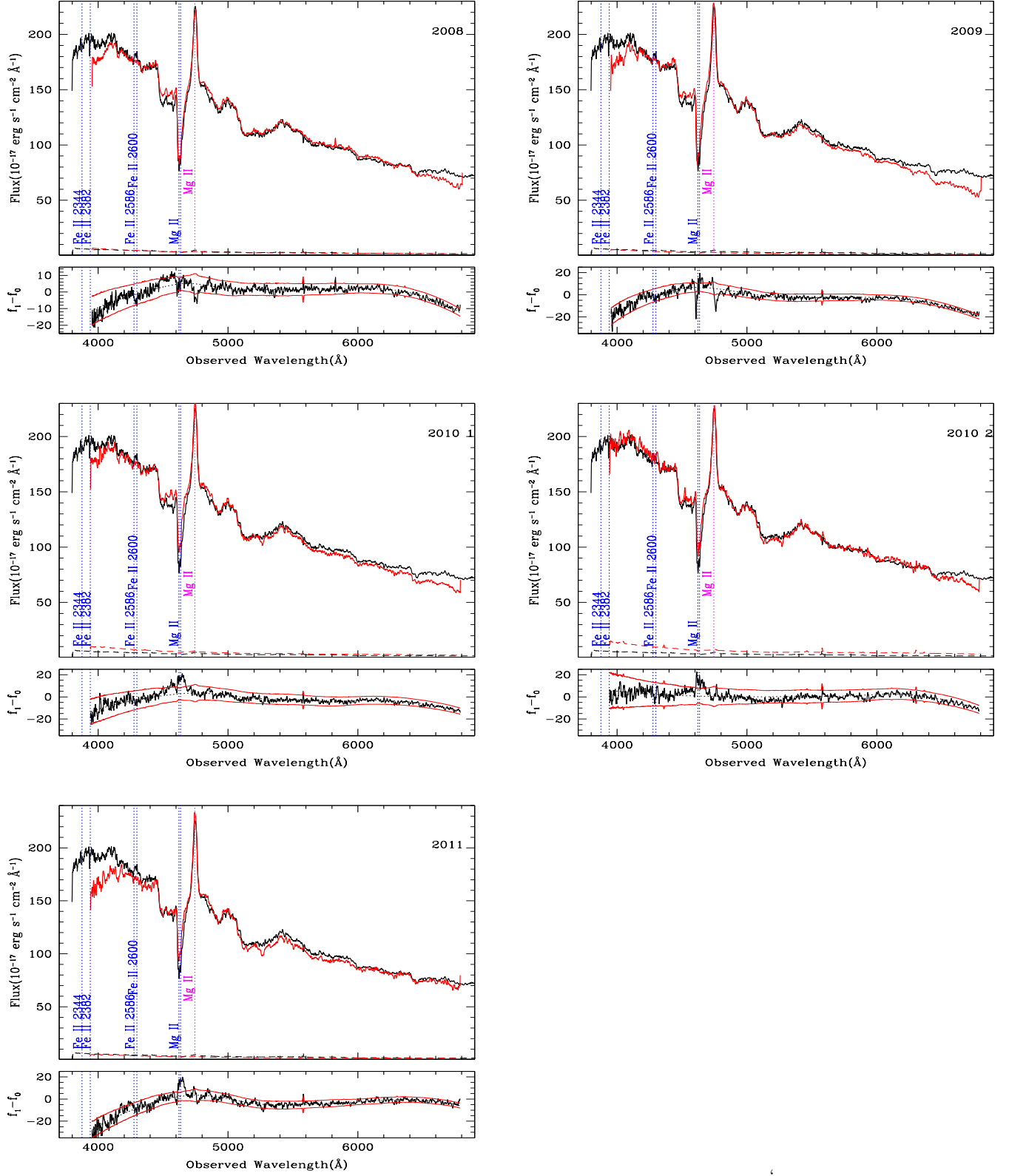


Figure C7. IGO Spectra of SDSS J0944+0625 observed on MJD 54559, 54861, 55220, 55297 and 55634 (in red/grey) are overplotted with the reference SDSS spectrum (black) observed on MJD 52710. The flux scale applies to the reference SDSS spectrum and all other spectra are scaled in flux to match the reference spectrum. In each plot, the error spectra are also shown. The difference spectrum for the corresponding MJDs is plotted in the lower panel of each plot. 1σ error is plotted above and below the mean.

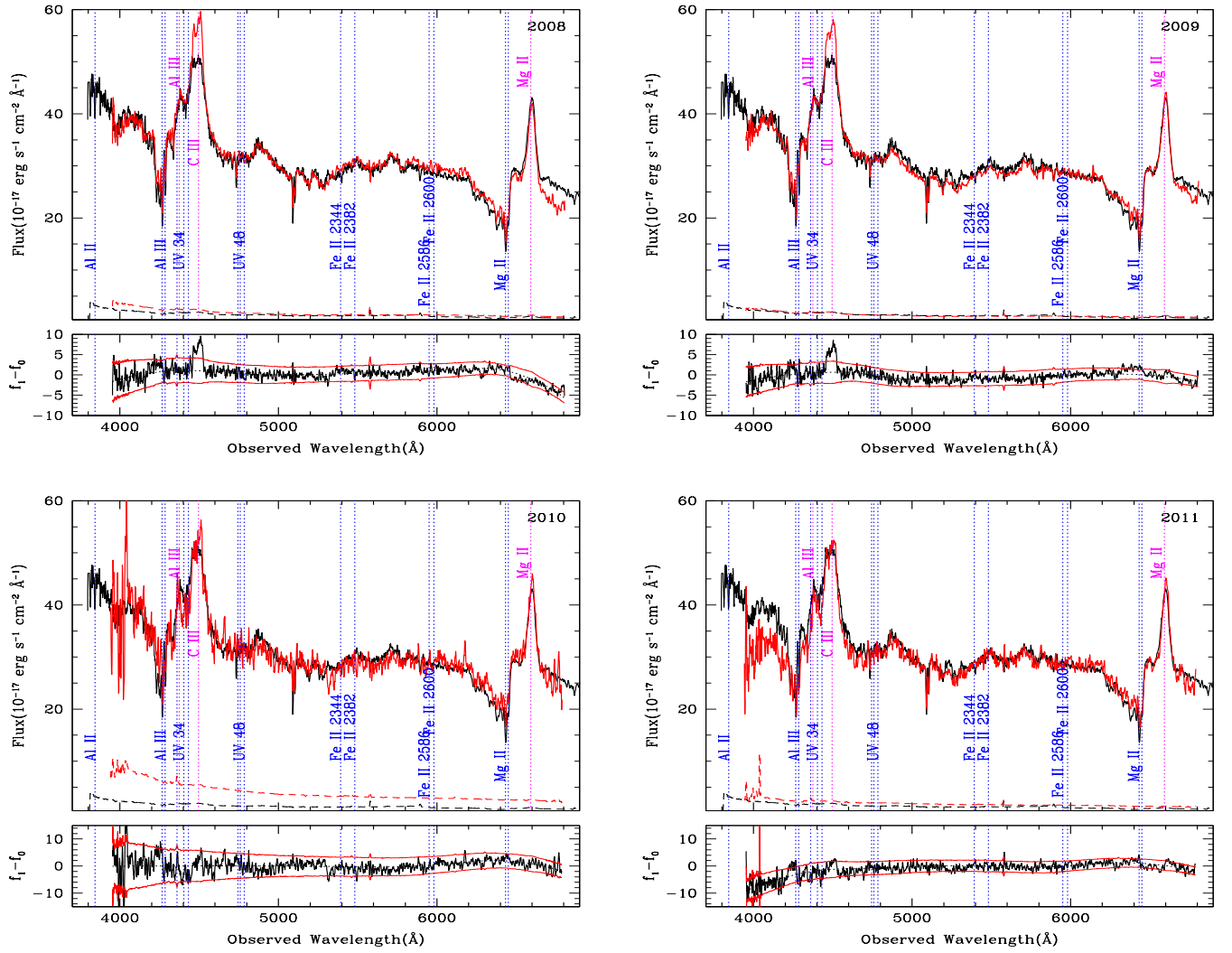


Figure C8. IGO Spectra of SDSS J0952+0257 observed on MJD 54559, 54887, 55221 and 55635 (in red/grey) are overplotted with the reference SDSS spectrum (black) observed on MJD 51908. The comparison of two IGO spectra are shown in the lower panel. The flux scale applies to the reference SDSS spectrum and all other spectra are scaled in flux to match the reference spectrum. In each plot, the error spectra are also shown. The difference spectrum for the corresponding MJDs is plotted in the lower panel of each plot. 1σ error is plotted above and below the mean.

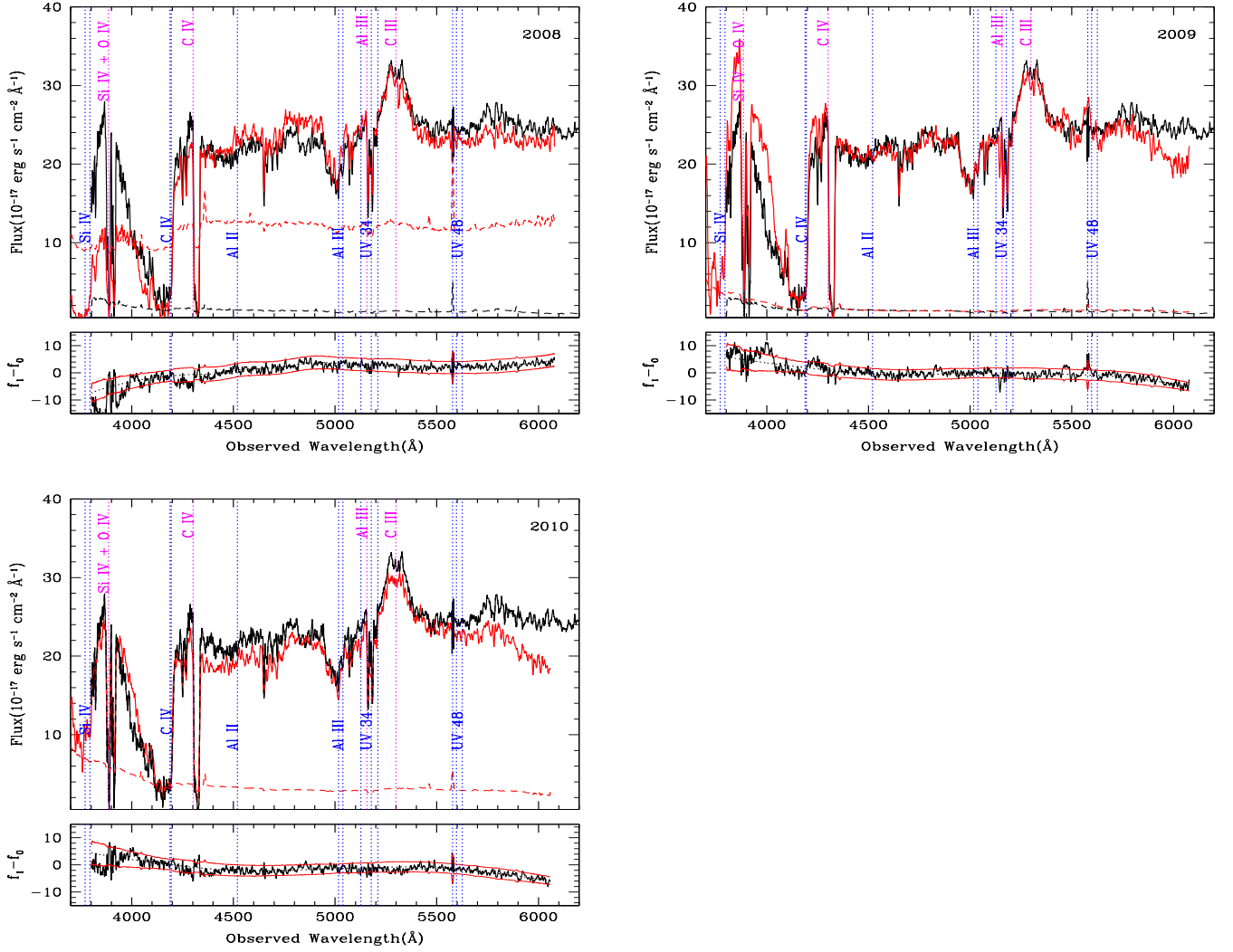


Figure C9. IGO Spectra of SDSS J1010+4518 observed on MJD 54474, 54888 and 55220 (in red/grey) are overplotted with the reference SDSS spectrum (black) observed on MJD 52376. The comparison of two IGO spectra are shown in the lower panel. The flux scale applies to the reference SDSS spectrum and all other spectra are scaled in flux to match the reference spectrum. In each plot, the error spectra are also shown. The difference spectrum for the corresponding MJDs is plotted in the lower panel of each plot. 1σ error is plotted above and below the mean.

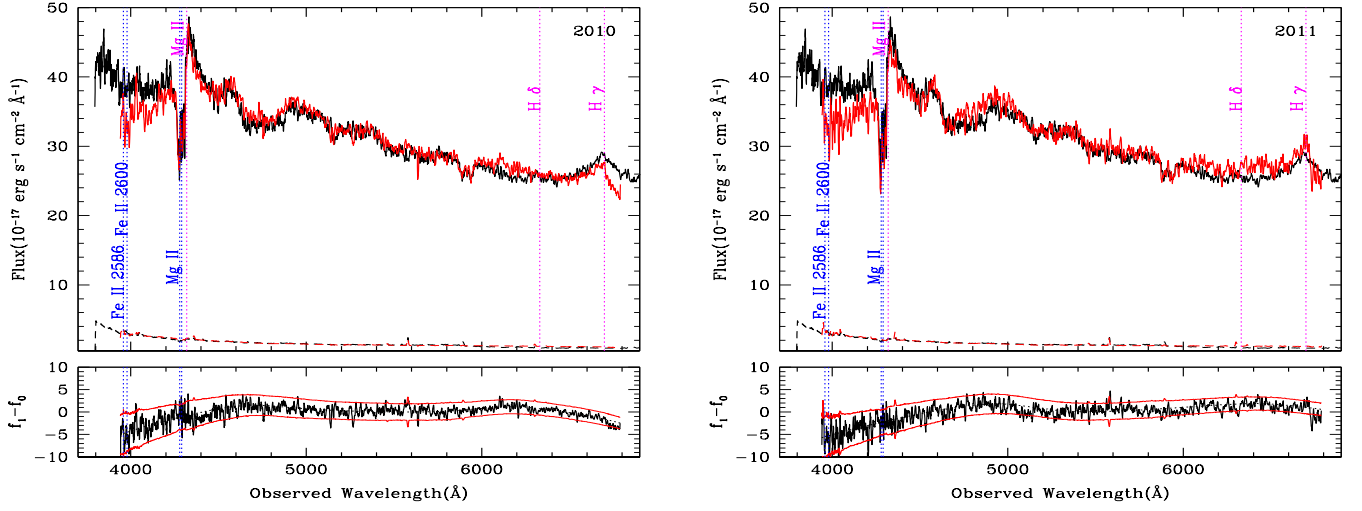


Figure C10. IGO Spectra of SDSS J1128+4823 observed on MJD 55218 and 55634 (in red/grey) are overplotted with the reference SDSS spectrum (black) observed on MJD 52642. The comparison of two IGO spectra are shown in the lower panel. The flux scale applies to the reference SDSS spectrum and all other spectra are scaled in flux to match the reference spectrum. In each plot, the error spectra are also shown. The difference spectrum for the corresponding MJDs is plotted in the lower panel of each plot. 1σ error is plotted above and below the mean.

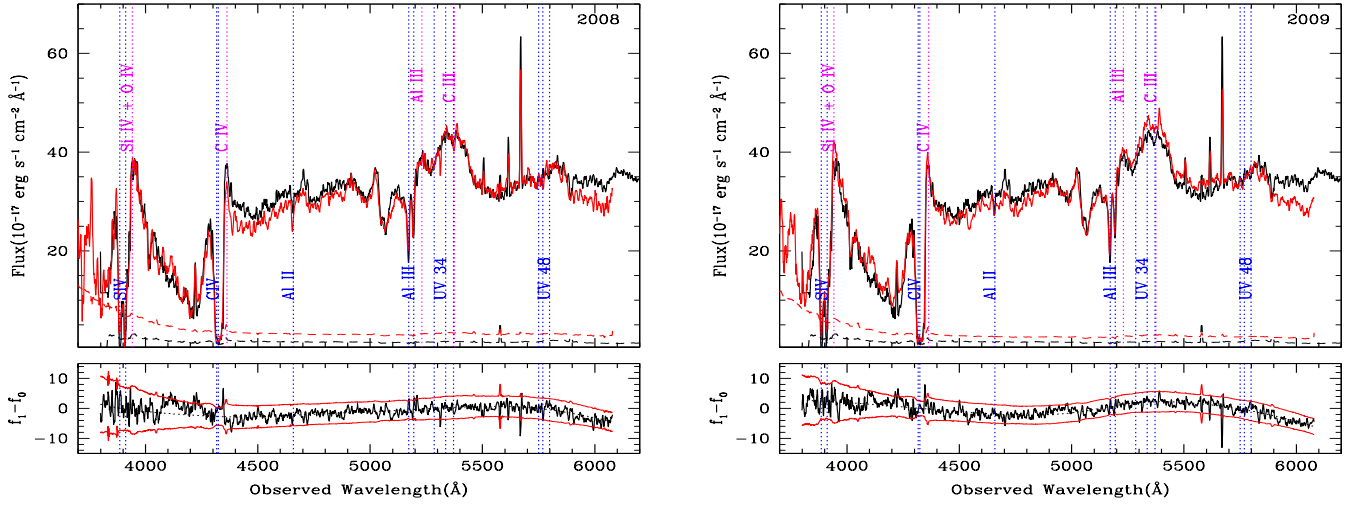


Figure C11. IGO Spectra of SDSS J1143+5203 observed on MJD 54473 and 54859 (in red/grey) are overplotted with the reference SDSS spectrum (black) observed on MJD 52368. The comparison of two IGO spectra are shown in the lower panel. The flux scale applies to the reference SDSS spectrum and all other spectra are scaled in flux to match the reference spectrum. In each plot, the error spectra are also shown. The difference spectrum for the corresponding MJDs is plotted in the lower panel of each plot. 1σ error is plotted above and below the mean.

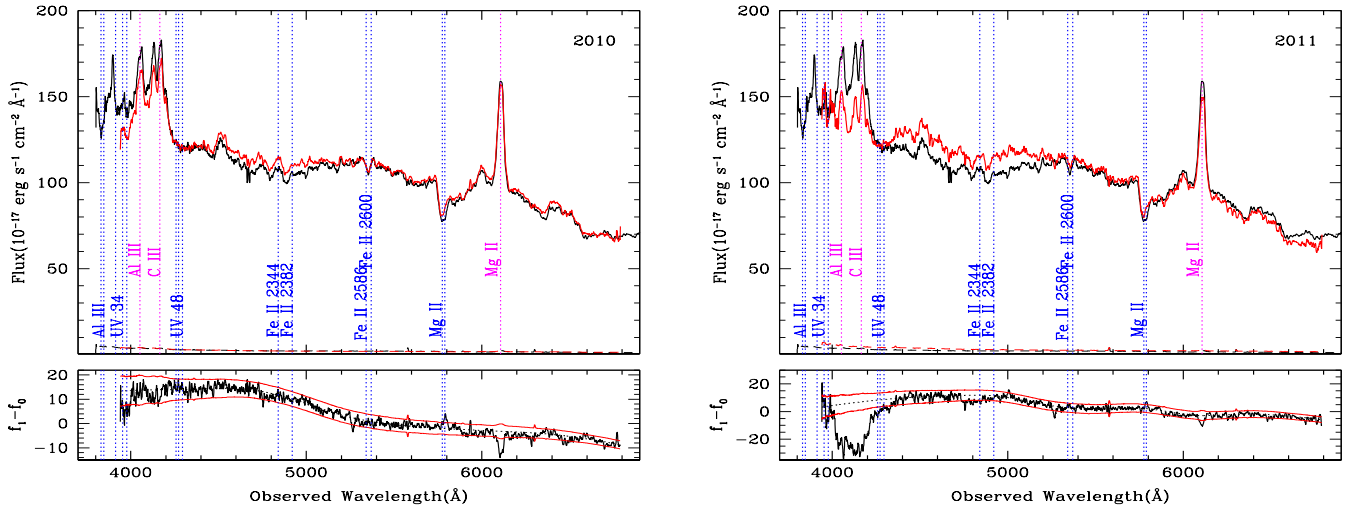


Figure C12. IGO Spectra of SDSS J1208+0230 observed on MJD 55219 and 55633 (in red/grey) are overplotted with the reference SDSS spectrum (black) observed on MJD 52024. The comparison of two IGO spectra are shown in the lower panel. The flux scale applies to the reference SDSS spectrum and all other spectra are scaled in flux to match the reference spectrum. In each plot, the error spectra are also shown. The difference spectrum for the corresponding MJDS is plotted in the lower panel of each plot. 1σ error is plotted above and below the mean.

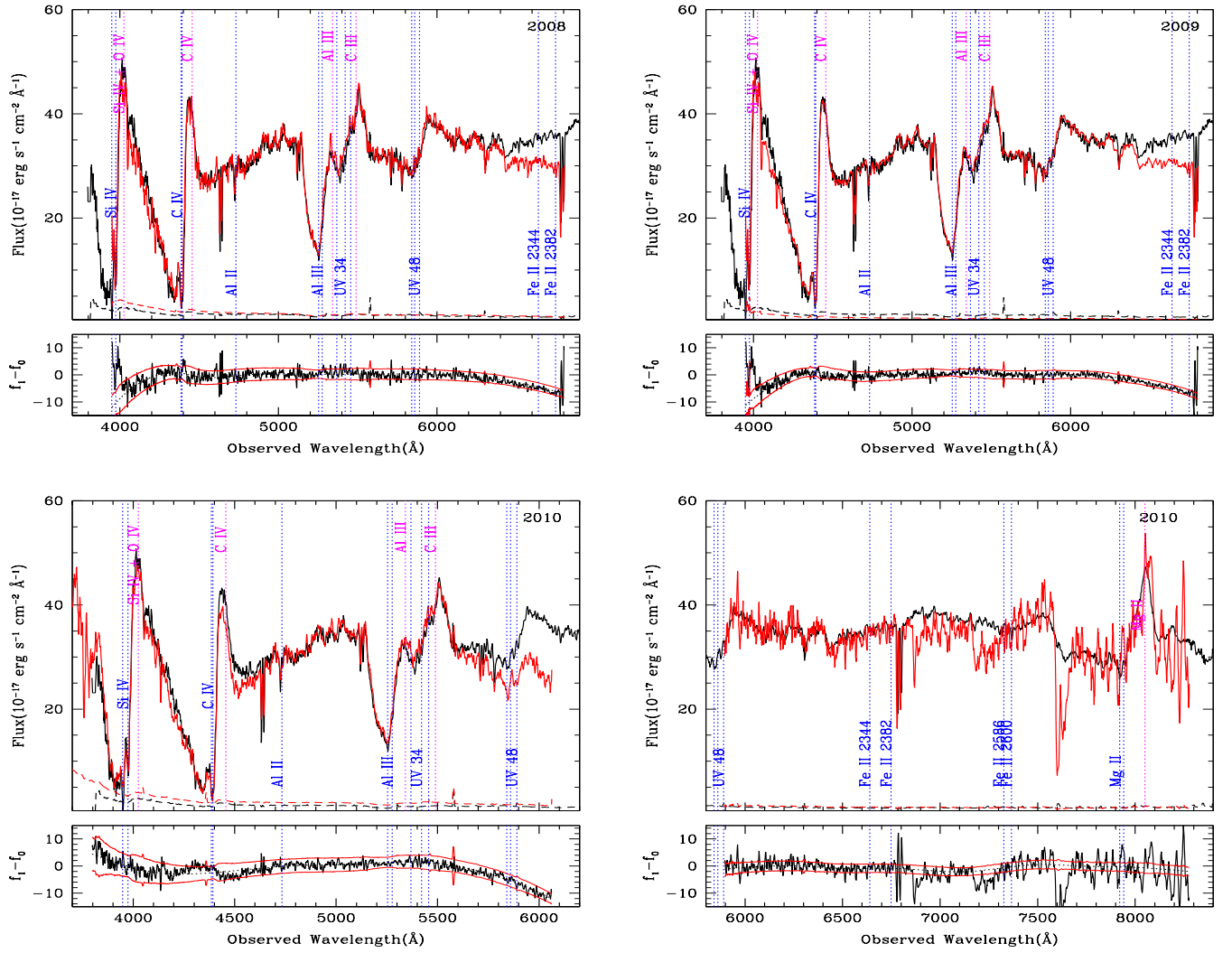


Figure C13. Spectra of SDSS J1334-0123 observed on MJD 54560, 54823 and 55272 (in red/grey) are overplotted with the reference SDSS spectrum (black) observed on MJD 52426. The comparison of two IGO spectra are shown in the lower panel. The flux scale applies to the reference SDSS spectrum and all other spectra are scaled in flux to match the reference spectrum. In each plot, the error spectra are also shown. The difference spectrum for the corresponding MJDs is plotted in the lower panel of each plot. 1σ error is plotted above and below the mean.

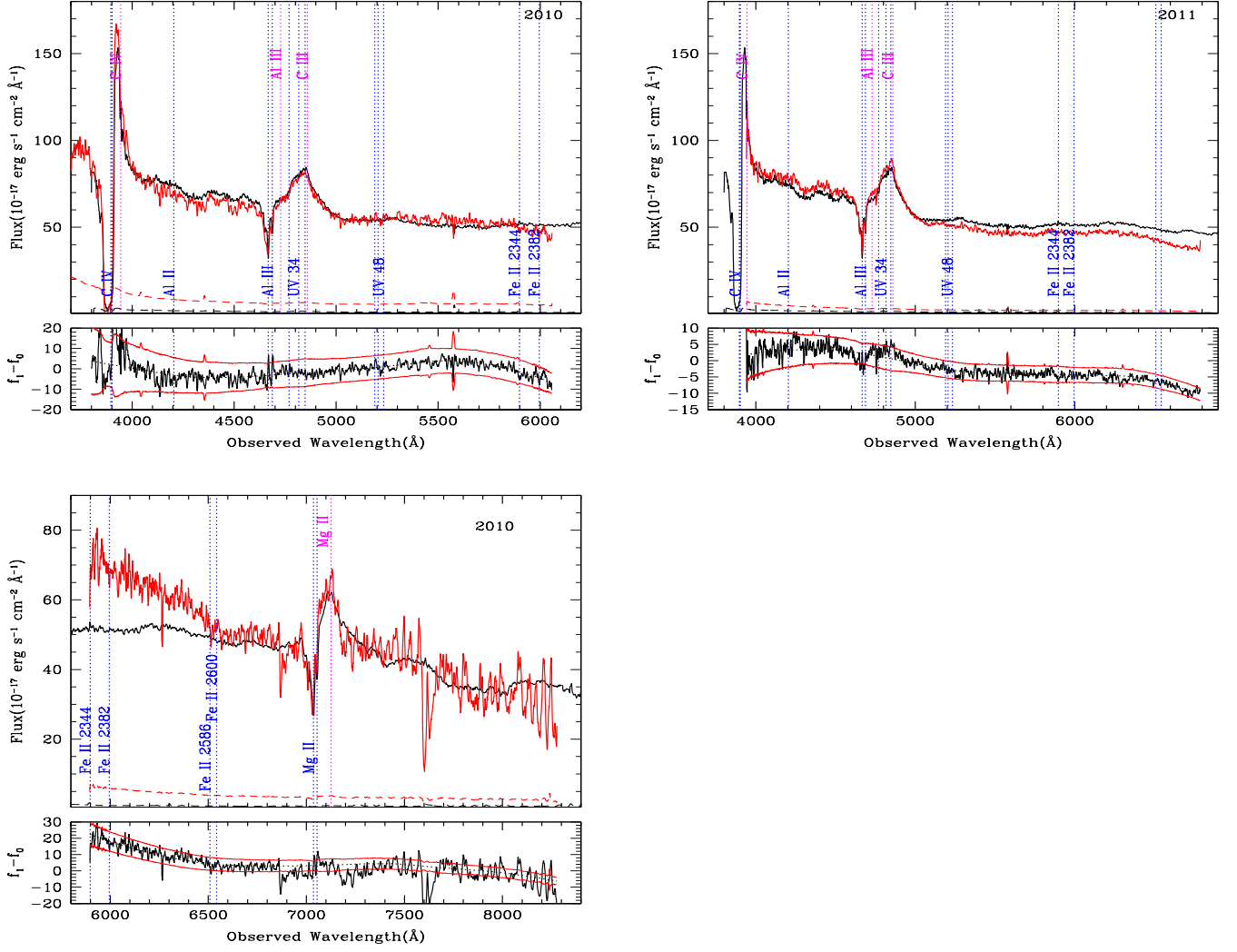


Figure C14. IGO Spectra of SDSS J1448+0428 observed on MJD 55287, 55635 and 55277 (in red/grey) are overplotted with the reference SDSS spectrum (black) observed on MJD 52026. The comparison of two IGO spectra is shown in the lower panel. The flux scale applies to the reference SDSS spectrum and all other spectra are scaled in flux to match the reference spectrum. In each plot, the error spectra are also shown. The difference spectrum for the corresponding MJDs is plotted in the lower panel of each plot. 1σ error is plotted above and below the mean.

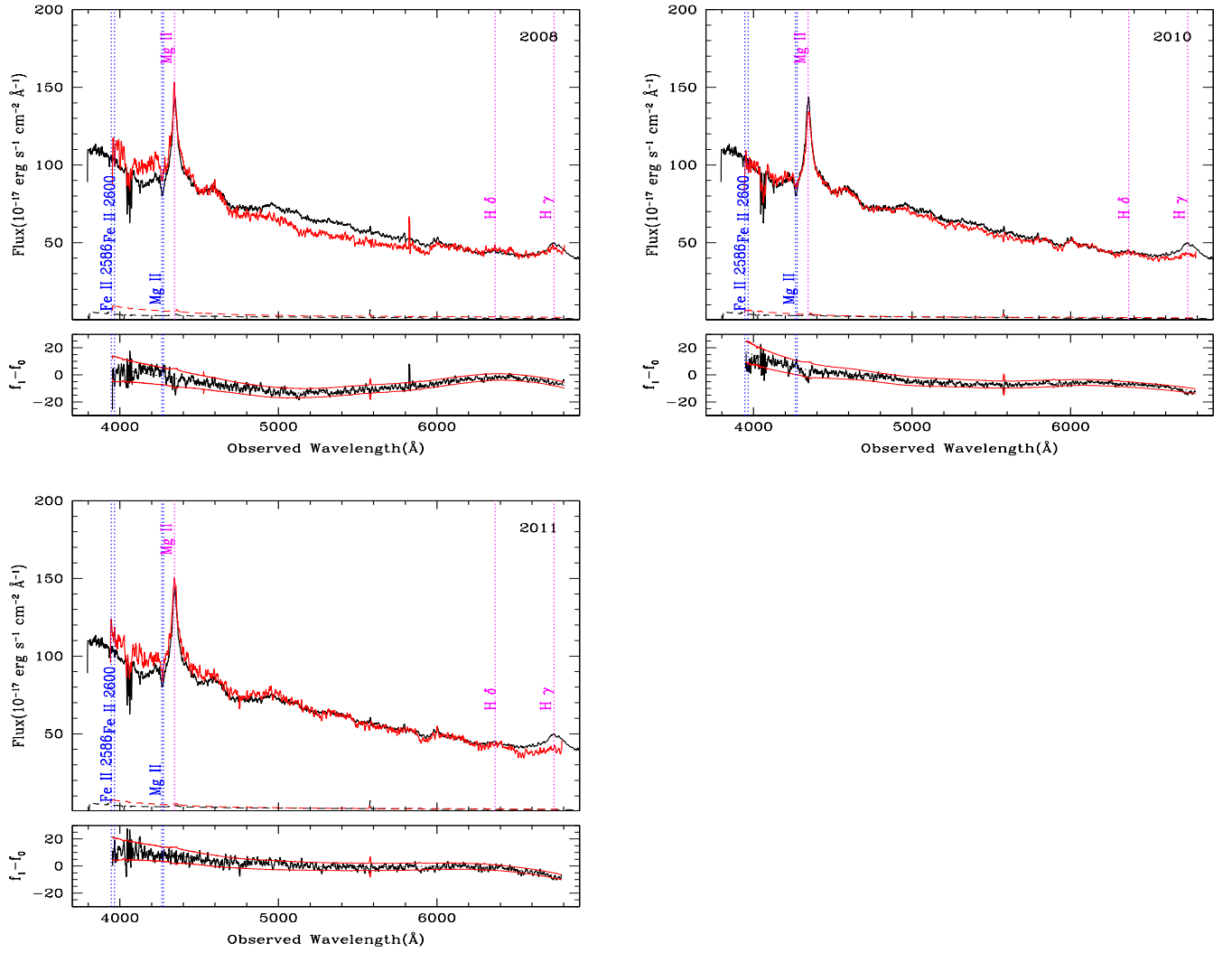


Figure C15. IGO Spectra of SDSS J1614+3752 observed on MJD 54559, 55297 and 55658 (in red/grey) are overplotted with the reference SDSS spectrum (black) observed on MJD 52764. The comparison of two IGO spectra are shown in the lower panel. The flux scale applies to the reference SDSS spectrum and all other spectra are scaled in flux to match the reference spectrum. In each plot, the error spectra are also shown. The difference spectrum for the corresponding MJDS is plotted in the lower panel of each plot. 1σ error is plotted above and below the mean.

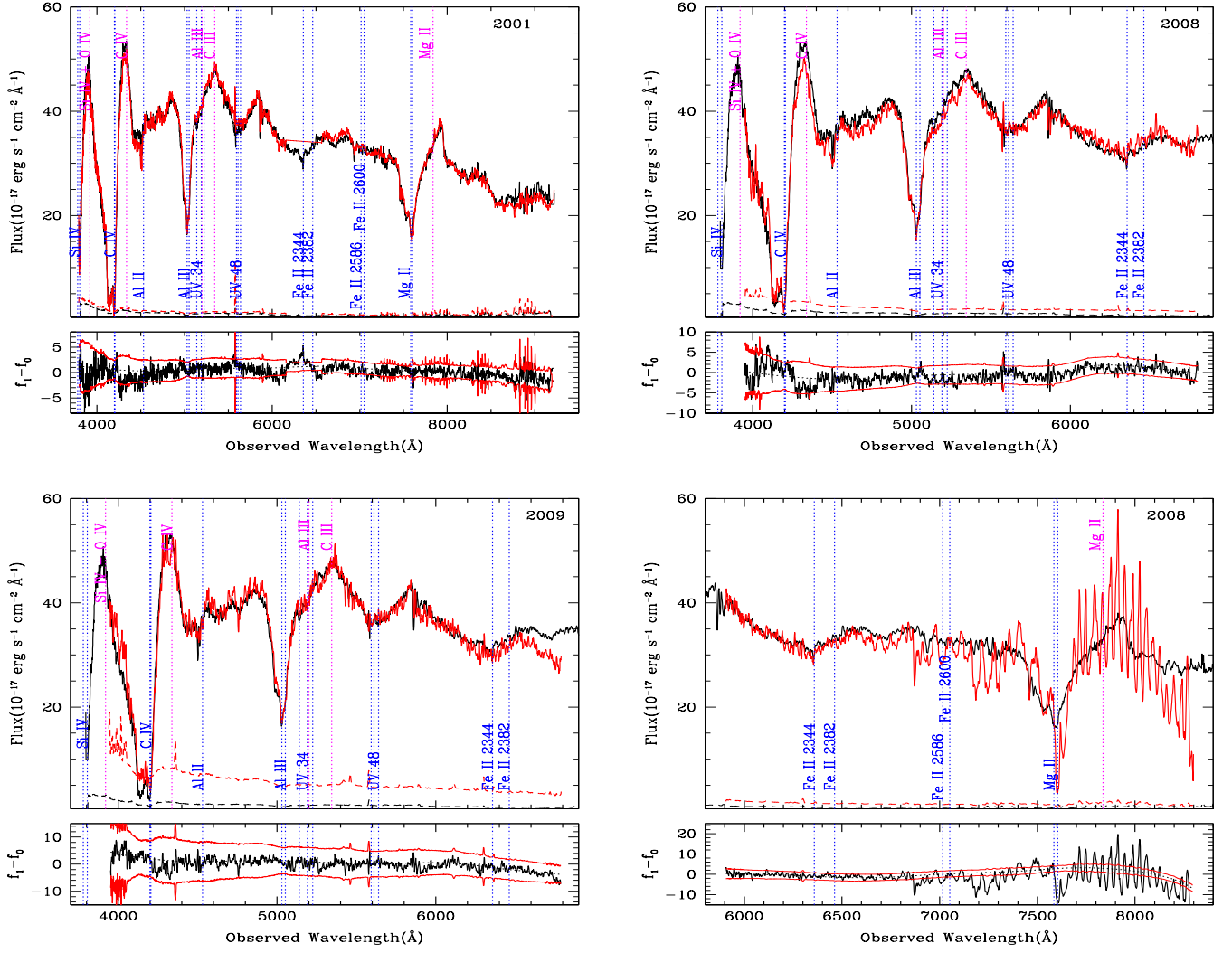


Figure C16. Spectra of SDSS J2347-1037 observed on MJD 54331, 54770, 55180 and 54791 (in red/grey) are overplotted with the reference SDSS spectrum (black) observed on MJD 52559. The comparison of two IGO spectra are shown in the lower panel. The flux scale applies to the reference SDSS spectrum and all other spectra are scaled in flux to match the reference spectrum. In each plot, the error spectra are also shown. The difference spectrum for the corresponding MJDS is plotted in the lower panel of each plot. 1σ error is plotted above and below the mean.